

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/524,193
Date Submitted: January 25, 2006		Filing Date	10/6/2005
(use as many sheets as necessary)		First Named Inventor	Nobutaka NAKASHIMA
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
		Attorney Docket Number	081356-0232

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/IP/	B1	Mary B. SLABAUGH et al., "Vaccinia Virus Ribonucleotide Reductase Expression and Isolation of the Recombinant Large Subunit", The Journal of Biological Chemistry, vol. 268, No. 24, Issue of August 25, 1993, pp. 17803-17810.	
/IP/	B2	Anna BRANDI et al., "Post-transcriptional regulation of CspA expression in <i>Escherichia coli</i> ", Molecular Microbiology (1996), Vol. 19, No. 2, pp. 231-240.	
/IP/	B3	Maria Luisa TUTINO et al., "A Novel replication element from an Antarctic plasmid as a tool for the expresión of proteins at low temperatura", Extremophiles (2001), 5:257-264.	

Examiner Signature	/Ileana Popa/	Date Considered	05/14/2007
--------------------	---------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP'809: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: February 11, 2005

(use as many sheets as necessary)

Sheet 1 of 2

Application Number Unassigned
 Filing Date 2/11/2005
 First Named Inventor Nobutaka NAKASHIMA
 Group Art Unit Unassigned
 Examiner Name Unassigned
 Attorney Docket Number 081356-0232

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
/IP/	A1	WO	96/03521		OPPENHEIM et al.	02/08/1996		
/IP/	A2	JP	10-248578		FUJIO, Mizumura Yurie To	09/22/1998		A
/IP/	A3	EP	1127943	A2	MARGARIT Y ROS et al.	08/29/2001		
/IP/	A4	WO	01/48192	A1	WATSON et al.	07/05/2001		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/IP/	A5	MUJACIC et al., "Cold-inducible cloning vectors for low-temperature protein expression in Escherichia coli: application to the production of a toxic and proteolytically sensitive fusion protein., GENE, 1999, Vol. 238, No. 2, pp. 325-332.	
	A6	DE MOT et al., "Structural analysis of the 6 kb cryptic plasmid pFAJ2600 from Rhodococcus erythropolis NI 86/21 and construction of Escherichia coli-Rhodococcus shuttle vectors., MICROBIOLOGY, 1997, Vol. 143, Pt. 10, pp. 3137-3147.	
	A7	TAKANO et al., "Construction of thiostreptoninducible, high-copy-number expression vectors for use in Streptomyces spp., GENE, 1995, Vol. 166, No. 1, pp. 133-137.	
	A8	ENGUITA et al., "An inducible expression system of histidine-tagged proteins in Streptomyces lividans for one-step purification by Ni ²⁺ affinity chromatography., FEMS MICROBIOL. LETT., 1996, Vol. 137, Nos. 2 to 3, pp. 135-140.	
	A9	LOWELL et al., "Structure of the murine serum amyloid A gene family: Gene conversion., J. BIOL. CHEM., 1986, Vol. 261, No. 18, pp. 8442-8452.	
	A10	KAWAI et al., "Functional annotation of a full-length mouse cDNA collection., NATURE, 2001, Vol. 409, No. 6821, pp. 685-690.	
/IP/	A11	VAN DER VLIET et al., "Apolipoprotein A-V: a novel apolipoprotein associated with an early phase of liver regeneration., J. BIOL. CHEM., 2001, Vol. 276, No. 48, pp. 44512-44520.	

Examiner
Signature

/Ileana Popa/

Date
Considered

05/14/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

1007 324 173
MODIFIED PTO/SB/08 (08-00)

DT05 Rev. 10/01 PTO 1-1 FEB 2005
Complete if known

Substitute for form 1449B/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: February 11, 2005

(use as many sheets as necessary)

Sheet 2 of 2

Application Number	Unassigned
Filing Date	2/11/2005
First Named Inventor	Nobutaka NAKASHIMA
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	081356-0232

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/IP/	A12	GRUSBY et al., "Molecular cloning of mouse cathepsin D., NUCLEIC ACIDS RES., 1990, Vol. 18, No. 13, p. 4008.	
	A13	DEGEN et al., "Characterization of the cDNA coding for mouse prothrombin and localization of the gene on mouse chromosome 2., DNA CELL BIOL., 1990, Vol. 9, No. 7, pp. 487-498.	
	A14	EVANS et al., "Mouse glandular kallikrein genes. Structure and partial sequence analysis of the kallikrein gene locus., J. BIOL. CHEM., 1987, Vol. 262, No. 17, pp. 8027-8034.	
	A15	BARON et al., "Cloning and characterization of an actin-resistant DNase I-like endonuclease secreted by macrophages., GENE, 1998, Vol. 215, No. 2, pp. 291-301.	
	A16	SHIOKAWA et al., "DLAD, a novel mammalian divalent cation-independent endonuclease with homology to DNase II., NUCLEIC ACIDS RES., 1999, Vol. 27, No. 20, pp. 4083-4089.	
	A17	FERRARI et al., "The mouse gene coding for high mobility group 1 protein (HMG1), J. BIOL. CHEM., 1994, Vol. 269, No. 46, pp. 28803-28808.	
	A18	TEKKI-KESSARIS et al., "Characterization of the mouse Kid1 gene and identification of a highly related gene, Kid2," GENE, 1999, Vol. 240, No. 1, pp. 13-22.	
	A19	OLTVAI et al., "Bcl-2 heterodimerizes in vivo with a conserved homolog, Bax, that accelerates programmed cell death," CELL, 1993, Vol. 74, No. 4, pp. 609-619.	
	A20	POSTIC et al., "Cloning and characterization of the mouse glucokinase gene locus and identification of distal liver-specific DNase I hypersensitive sites," GENOMICS, 1995, Vol. 29, No. 3, pp. 740-750.	
	A21	HOLZL et al., "The regulatory complex of Drosophila melanogaster 26S proteasomes. Subunit composition and localization of a deubiquitylating enzyme," J. CELL. BIOL., 2000, Vol. 150, No. 1, pp. 119-130.	
	A22	ROCK et al., "Pantothenate kinase regulation of the intracellular concentration of coenzyme A," J. BIOL. CHEM., 2000, Vol. 275, No. 2, pp. 1377-1383.	
/IP/	A23	WONG et al., "Characterization of human and mouse peroxiredoxin IV: evidence for inhibition by Prx-IV of epidermal growth factor- and p53-induced reactive oxygen species," ANTIOXID. REDOX SIGNAL, 2000, Vol. 2, No. 3, pp. 507-518.	

Examiner
Signature

/Ileana Popa/

Date
Considered

05/14/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.